

Canada Research Chair, Tier II in Pervasive Computing for Health and Healthy Aging

Last updated: August 17, 2020, 3:58 p.m.

Date posted: May 15, 2019

Revised: August 14, 2020

Application deadline: September 15, 2020

Department of Electrical and Computer Engineering

PERFORM Center

Concordia University

The Position

Concordia University's Department of Electrical and Computer Engineering (ECE) and the PERFORM Centre are seeking applications for a Canada Research Chair (CRC) Tier II in Pervasive Computing for Health and Healthy Aging. The Government of Canada funds the Canada Research Chairs program in order to promote world-class research in Canadian universities. Details about the Canadian Government's CRC program as well as the chair selection criteria can be found at www.chairs-chaire.gc.ca

Candidates shall have a PhD degree in Computer Engineering or a related discipline and possess expertise and research interest in areas such as, but not limited to embedded systems, embedded computing, wireless computing and software platforms for embedded computing, with applications in health, healthy aging, human performance and smart homes/buildings. This is a tenure track position and appointments will be at the rank of Assistant or Associate Professor depending on the successful candidate's level of experience. The ideal candidate will thrive in an interdisciplinary research environment, interacting with existing research capacity in ECE, in other parts of the University, and beyond the institution, through the PERFORM Centre. They will have a vision and a drive to become an internationally recognized leader in their area of research. Applications from colleagues at the beginning of their careers are welcome.

Applicants should show evidence of ability and commitment to attracting strong external funding, supervising graduate students and post-doctoral fellows, as well as leading major research initiatives. The applicant must propose an original and innovative research program of the highest quality related to the position.

Concordia offers a competitive compensation and benefit package covering health insurance, pension and retirement benefits, parental leave, etc. We also provide mentoring and support for research scholarship, granting and publication as part of our commitment to ongoing faculty professional development.

The ECE Department, PERFORM Centre and Concordia University are inclusive and welcome diverse experiences to improve learning and advance research. As part of our commitment to providing students with a dynamic, innovative and inclusive educational environment, we require all applicants to articulate how their professional experiences and expertise have prepared them to conduct innovative research in ways that are relevant for our diverse, multicultural, contemporary Canadian society.

Membership or eligibility for membership in a Canadian professional engineering association, preferably in the Province of Quebec, is essential. The language of instruction at Concordia is English, however, knowledge of French is an asset.

Concordia University and Montreal

With about 50,000 students, and 2,000 faculty members, Concordia is among Canada's leading universities. Concordia is an English language institution and is situated in vibrant, diverse, and innovative Montreal, the second largest French speaking city in the world. Montreal boasts 4 major universities and 12 smaller colleges on the island. It houses world class hubs in health, software, aerospace, energy and in emerging areas like pervasive computing.

The Gina Cody School of Engineering and Computer Science

Ranked among the top ten engineering schools in Canada, the Gina Cody School of Engineering and Computer Science is home to over 10,000 engineering and computer science students and a faculty complement of 230 faculty members. The School has about 4,500 graduate students enrolled in 35 graduate programs. Its research profile continues to grow as it fosters multidisciplinary approaches to finding solutions to a broad range of societal challenges. For more information on the School, please visit: www.concordia.ca/ginacody

The Department of Electrical and Computer Engineering

The ECE Department has a faculty complement of 45 professors active in various areas of computer engineering and electrical engineering. The Department offers PhD, master's and bachelor's degrees in Computer Engineering, Electrical Engineering and Aerospace Engineering (Avionics). Concordia University and ECE attract a high quality, diverse student population in all its programs. More information on ECE is available at www.concordia.ca/ece

The PERFORM Centre

The PERFORM Centre is a unique research facility devoted to prevention research through lifestyle intervention and impact assessment. It houses an athletic therapy clinic, cardio-pulmonary suite, clinical analysis suite, conditioning floor, functional assessment lab, imaging suite, nutrition suite, and sleep laboratory all under one roof. Home to 51 research members and specialists in health and disease prevention who play an important role in cultivating interdisciplinary and collaborative research that create links between a variety of traditional and non-traditional disciplines in an effort to improve health across the population, the PERFORM Centre offers numerous and varied opportunities for research collaboration and training in a variety of settings and disciplines. As a Concordia University research platform, the PERFORM Centre trains future generations of researchers and strives to advance knowledge. In addition to fostering multidisciplinary research collaborations, PERFORM also generates educational opportunities to train the next generation of health-care professionals and practitioners.

See www.concordia.ca/research/perform

Applications

Candidates eligible for Tier II chair positions must be excellent emerging scholars within 10 years of their highest degree at the time of nomination (exclusive of career interruptions). Potential Tier II candidates who are more than 10 years from their highest degree should take note that certain career interruptions may still make them eligible for nomination. Potential candidates are encouraged to submit a formal justification by means of the Tier II Justification Assessment Form, which will be considered in the review of applications. Please consult the [Canada Research Chairs website](#) for full program information, including further details on eligibility criteria and acceptable justifications to the extension of the eligibility term.

Notwithstanding the above and irrespective of their submission of a formal justification, candidates are encouraged to share any career interruptions or personal circumstances that may have had an impact on their career goals (such as the decision to have a family, eldercare, illness, and so forth) in their letter of application. These will be carefully considered in the assessment process.

Applications must include a cover letter, detailed curriculum vitae, teaching statement, research statement including an innovative research program proposal, a statement on the candidate's thoughts and experiences on inclusiveness (1 page), and the names of four referees. This package must be sent in electronic form (PDF) via email. The subject line of the email should read: "Application for CRC Tier II in Pervasive Computing for Health and Healthy Aging".

Only shortlisted applicants will be notified. The appointment is expected to commence shortly thereafter.

Kindly forward your electronic applications to:

Dr. Habib Benali, Hiring Committee Chair

Dhc-CRC2@ece.concordia.ca

Concordia strives to be an inclusive institution that is welcoming of diverse backgrounds and experiences in order to improve learning, advance research, inspire creativity, and drive productivity. We define diversity broadly to include both

As part of this commitment to providing our students with the dynamic, innovative, and inclusive educational environment of a Next-Generation University, we require all applicants to articulate in their cover letter how their professional experiences and expertise have prepared them to conduct innovative research and to teach in ways that are relevant for a diverse, multicultural contemporary Canadian society.

These ongoing or anticipated examples can include but are not limited to:

- teaching about underrepresented populations
- mentoring students from underrepresented backgrounds
- conducting research with underrepresented and / or underserved communities
- committee work
- offering or organizing educational programming
- participation in training and workshops

All applicants will receive an email invitation to complete a short equity survey. Participation in the survey is voluntary and no identifying information about candidates will be shared with hiring committees. Candidates who wish to self-identify as a member of an underrepresented group to the hiring committee may do so in their cover letter or by writing directly to the contact person indicated in this posting.

Concordia University recognizes the potential impact that career interruptions can have on a candidate's record of research excellence and will take them into careful consideration in assessing applications and throughout the selection process.

Applicants who anticipate requiring accommodations throughout any stage of the recruitment process may contact, in confidence, Nadia Hardy, Interim Deputy Provost and Vice-Provost, Faculty Development and Inclusion at vpfdi@concordia.ca or by phone at 514.848.2424 extension 4323.